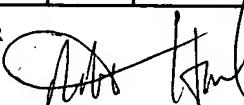


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RH	AA 2,474,571	06/28/49	Brakeley et al.	260	85.3	
	AB 2,494,585	01/17/50	Saylor, Jr.	260	85.3	
	AC 2,534,698	12/19/50	Calfee et al.	260	85.3	
	AD 2,548,415	04/10/51	Welch et al.	260	85.3	
	AE 2,603,626	07/15/52	Kolfenbach et al.	260	85.3	
	AF 2,607,764	08/19/52	Nelson et al.	260	85.3	
	AG 2,644,809	07/07/53	Saylor Jr.	260	85.3	
	AH 3,269,972	08/30/66	Banks et al.	260	32.2	
	AI 3,331,822	07/18/67	Kometani et al.	260	87.5	
	AJ 3,397,166	08/13/68	Schmidle et al.	260	33.6	
	AK 3,440,219	02/05/65	Wolff et al.	260	63	
	AL 3,470,143	09/30/69	Schrage et al.	260	82.5	
	AM 3,493,530	02/03/70	Sianesi et al.	260	33.2	
	AN 3,528,954	09/15/70	Carlson	260	87.5	
	AO 3,590,025	06/29/71	Tittle	260	92.1	
	AP 3,616,371	10/26/71	Ukihashi et al.	204	159.22	
	AQ 3,642,742	02/15/72	Carlson	260	87.5 A	
	AR 3,787,379	01/22/74	Ferren et al.	260	87.5 A	
	AS 3,919,183	11/11/75	Jager et al.	260	86.1 R	
	AT 3,996,281	12/07/76	Huber-Emden et al.	260	561 N	
	AU 4,042,634	08/16/77	Cope et al.	210	616	
	AV 4,100,225	07/11/78	Mueller	260	878 R	
RH	AW 4,107,417	08/15/78	Priola et al.	526	117	
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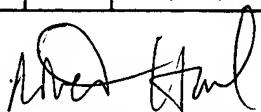
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June 16, 2005	Not Yet Assigned		

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LM	BA 4,123,602	10/31/78	Ukihashi et al.	526	206	
	BB 4,166,165	08/28/79	Hisasue et al.	526	87	
	BC 4,194,073	03/18/80	McDaniel	526	98	
	BD 4,248,988	02/03/81	Halasa	526	141	
	BE 4,255,546	03/10/81	Süling et al.	526	206	
	BF 4,338,237	07/06/82	Sulzbach et al.	524	777	
	BG 4,381,387	04/26/83	Sulzbach	526	247	
	BH 4,424,324	01/03/84	Throckmorton et al.	526	220	
	BI 4,435,553	03/06/84	Throckmorton et al.	526	201	
	BJ 4,452,960	06/05/84	Throckmorton	526	201	
	BK 4,499,249	02/12/85	Nakagawa et al.	526	206	
	BL 4,501,865	02/26/85	König et al.	526	71	
	BM 4,508,881	04/02/85	Throckmorton	526	201	
	BN 4,535,136	08/13/85	Wheland	526	214	
	BO 4,588,796	05/13/86	Wheland	526	214	
	BP 4,626,608	12/02/86	Scherer, Jr. et al.	570	134	
	BQ 4,714,747	12/22/87	Bruzzone et al.	526	64	
	BR 4,736,004	04/05/88	Scherer, Jr. et al.	526	206	
	BS 4,900,777	02/13/90	Ball et al.	524	819	
	BT 4,946,936	08/07/90	Moggi et al.	528	392	
	BU 4,948,844	08/14/90	Nakahara et al.	525	356	
	BV 4,950,724	08/21/90	Malanga et al.	526	144	
	BW 5,032,656	07/16/91	Mares et al.	526	255	
	BX 5,105,047	04/14/92	Waller	585	515	
LM	BY 5,135,998	08/04/92	Mares et al.	526	206	

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PL	CA 5,162,445	11/10/92	Powers et al.	525	333.4		
	CB 5,182,342	01/26/93	Feiring et al.	526	206		
	CC 5,281,680	01/25/94	Grot	526	243		
	CD 5,310,870	05/10/94	Peavy	528	392		
	CE 5,417,930	05/23/95	McDonald, Jr. et al.	422	131		
	CF 5,448,001	09/05/95	Baird	526	134		
	CG 5,459,212	10/17/95	Krespan et al.	526	89		
	CH 5,478,905	12/26/95	Anolick et al.	526	254		
	CI 5,494,984	02/27/96	Funaki et al.	526	206		
	CJ 5,527,870	06/18/96	Maeda et al.	526	348.7		
	CK 5,552,500	09/03/96	Peavy	526	206		
	CL 5,608,002	03/04/97	Kubo et al.	524	795		
	CM 5,618,894	04/08/97	DeSimone et al.	526	89		
	CN 5,624,878	04/29/97	Devore et al.	502	152		
	CO 5,637,663	06/10/97	Anolick et al.	526	254		
	CP 5,650,483	07/22/97	Malik et al.	528	402		
	CQ 5,654,450	08/05/97	Malik et al.	549	511		
	CR 5,663,251	09/02/97	Kato et al.	526	206		
	CS 5,663,255	09/02/97	Anolick et al.	526	254		
	CT 5,665,838	09/09/97	Peavy	526	255		
	CU 5,668,250	09/16/97	Malik	528	402		
	CV 5,668,251	09/16/97	Malik et al.	528	402		
	CW 5,674,957	10/07/97	DeSimone et al.	526	89		
	CX 5,688,838	11/18/97	Abusleme et al.	522	33		
PL	CY 5,703,194	12/30/97	Malik et al.	528	70		
EXAMINER <i>Albert Farn</i>				DATE CONSIDERED <i>9/26/07</i>			
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RH	DA 5,728,783	03/17/98	Falchi et al.	526	124.2	
	DB 5,780,565	07/14/98	Clough et al.	526	206	
	DC 5,789,504	08/04/98	Ihara et al.	526	206	
	DD 5,807,977	09/15/98	Malik et al.	528	402	
	DE 5,821,311	10/13/98	Mosbach et al.	526	201	
	DF 5,872,198	02/16/99	Mosbach et al.	526	221	
	DG 5,939,501	08/17/99	DeSimone et al.	526	89	
	DH 5,939,502	08/17/99	DeSimone et al.	526	89	
	DI 5,959,050	09/28/99	Mosbach et al.	526	201	
	DJ 5,981,673	11/09/99	DeSimone et al.	526	89	
	DK 5,990,251	11/23/99	Gelus	526	125.7	
	DL 6,037,483	03/14/00	Malik et al.	549	511	
	DM 6,107,423	08/22/00	Wheland et al.	526	249	
	DN 6,111,062	08/29/00	Shirota et al.	528	402	
	DO 6,133,389	10/17/00	Anolick et al.	526	206	
	DP 6,225,367	05/01/01	Chaouk et al.	521	149	
	DQ 6,228,963	05/08/01	Wheland et al.	526	247	
	DR 6,303,715	10/16/01	Kim et al.	526	128	
	DS 6,306,989	10/23/01	Bloom et al.	526	200	
	DT 6,335,408	01/01/02	Russo et al.	526	253	
	DU 6,337,373	01/08/02	Formaro et al.	525	193	
	DV 6,346,587	02/12/02	Krüger et al.	526	206	
	DW 6,372,838	04/16/02	Rao et al.	524	462	
	DX 6,380,351	04/30/02	Malik et al.	528	402	
RH	DY 6,399,729	06/04/02	Farnham et al.	526	255	
EXAMINER <i>Robert Farnham</i>				DATE CONSIDERED <i>9/26/07</i>		

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U.S. PATENT DOCUMENTS

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PH	EA 6,403,539	06/11/02	Marchionni et al.	508	406	
	EB 6,417,314	07/09/02	Malik et al.	528	60	
	EC 6,423,798	07/23/02	Wheland et al.	526	206	
	ED 6,444,768	09/03/02	Webb et al.	526	237	
	EE 6,448,368	09/10/02	Malik et al.	528	402	
	EF 6,455,650	09/24/02	Lipian et al.	526	171	
	EG 6,469,116	10/22/02	Maccone et al.	526	247	
	EH 6,469,185	10/22/02	Russo et al.	549	455	
	EI 6,486,280	11/26/02	Anolick et al.	526	243	
	EJ 2001/0012880	08/09/01	Wheland et al.	526	249	
	EK 2001/0018144	08/30/01	Watakabe et al.	429	33	
	EL 2002/0002219	01/03/02	Bloom et al.	524	11	
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	EN 2002/0032291	03/14/02	Farnham et al.	526	227	
	EO 2002/0052454	05/02/02	Lipian et al.	526	171	
	EP 2002/0055580	05/09/02	Lorah et al.	524	445	
	EQ 2002/0055581	05/09/02	Lorah et al.	524	445	
	ER 2002/0055599	05/09/02	Slone	526	286	
	ES 2002/0065383	05/30/02	Maccone et al.	526	247	
	ET 2002/0086908	07/04/02	Chou et al.	516	98	
	EU 2002/0132910	09/19/02	Rao et al.	524	544	
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	EW 2002/0183457	12/05/02	Hintzer et al.	525	326.2	
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PH	EY 2003/0023013	01/30/03	Lipian et al.	526	171	

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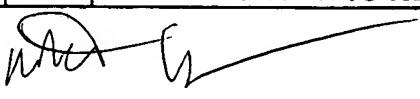
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	FC EP0271243	06/15/88	Europe	C08F	214/26		
	FD RU 2097122 C1	11/27/97	Russia	B01J	19/18		✓
	FE RU 2209213 C1	07/27/03	Russia	C08F	210/12		✓
	FF SU 1627243 A1	02/15/91		B01J	19/18		✓
	FG WO93/21241	10/28/93	PCT	C08F	210/12		
	FH WO94/17109	08/04/94	PCT	C08F	14/18		✓
	FI WO96/24625	08/15/96	PCT	C08F	214/26		
	FJ WO99/50209	10/07/99	PCT	C07C	23/08		✓
	FK WO00/04061	01/27/00	PCT	C08F	10/10		
	FL WO00/47641	08/17/00	PCT	C08F	14/18		✓
	FM WO00/53682	09/14/00	PCT	C09D	4/00		
	FN WO01/49757	07/12/01	PCT	C08F	214/44		✓
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	FP WO01/49760	07/12/01	PCT	C08F	214/28		✓
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	FR WO02/096964	12/05/02	PCT	C08F	10/10		✓
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RH	FV WO2004058828	07/15/04	PCT (2004B133)	C08F	4/12		
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<i>Robert Hurl</i>				9/26/07			
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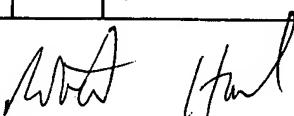
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W1	GA WO2004058829	07/15/04	PCT (2004B133F)	C08F	4/44	YES	NO
	GB WO2004058835	07/15/04	PCT (2004B133B)	C08F	236/02		
	GC WO2004058836	07/15/04	PCT (2004B133C)	C08F	236/02		
M	GD WO2004067577	07/15/04	PCT (2004B133E)	C08F			
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
M	GE	USSN: 11/010,092, filed December 10, 2004, entitled "Polymers with New Sequence Distributions" (2003B133C/2)					
	GF	USSN: 11/009,660, filed December 10, 2004, entitled "Halogenated Polymers with New Sequence Distributions" (2003B133C/3)					
	GG	Industrial and Engineering Chemistry, January, 1949, 41, pages 135-136, "Emulsion Polymerizations at Low Temperatures. Isobutylene and Isobutylene-Butadiene Mixtures", G. B. Bachman et al., Purdue University					
	GH	W. A. Thaler et al., entitled "High-Molecular-Weight, High-Unsaturation Copolymers of Isobutylene and Conjugated Dienes", 49(4) Rubber Chemistry & Technology, 960-966 (1976)					
	GI	Organic Chemistry, SIXTH EDITION, Morrison and Boyd, Prentice-Hall, entitled "Ionic Polymerization. Living Polymers", pages 1084-1085 (Englewood Cliffs, New Jersey 1992)					
	GJ	H. C. Wang et al., Elastomerics, entitled "Functionalized PMS/IB Copolymers Offer Wide Range of Properties", 1992, Atlanta, GA.					
	GK	Gyor et al., J. Macromol. Sci.-Pure Appl. Chem. A31(12), entitled "Polyisobutylene-Based Thermoplastic Elastomers. I. Synthesis and Characterization of Polystyrene-Polyisobutylene-Polystyrene Triblock Copolymers, pages 2055-2065, Massachusetts, 1994.					
	GL	I. Orszagh et al., J. Phys. Org. Chem., Vol. 8, entitled "Living Carbocationic Copolymerizations. I. Synthesis and Characterization of Isobutylene/p-Methylstyrene Copolymers", Ohio, pages 258-272, 1995.					
	GM	Chemical Microstructure of Polymer Chains, J.L. Koenig, Wiley-Interscience, entitled "Determination of Structure-Property Relations in Polymers", New York, 1980, pages 1-8					
	GN	Polymer Sequence Determination: Carbon-13 NMR Method, entitled "A Survey of Carbon-13 NMR Studies of Vinyl Homopolymers and Copolymers" J.C. Randall, Academic Press, 1977, New York, pages 103-146					
	GO	Cationic Polymerization of Olefins: A Critical Inventory, J. P. Kennedy, Wiley-Interscience, New York, 1975 pages 10-13 "Cationic Polymerizations: Past, Present, and Future" and pages 86-137 "The Organization of Cationically Polymerizable Olefins".					
M	GP	Carbocationic Polymerization, J.P. Kennedy, E. Marechal, Wiley-Interscience, New York, 1982, pages 318-319					
EXAMINER <i>Mart</i> <i>fford</i>				DATE CONSIDERED <i>6/26/07</i>			
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HO						
HP						
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mt	HQ	Abstract for DE10061727, June 13, 2002 entitled "Manufacture of Polyisobutenes with High Content of Unsaturated End Groups", 2 pages.				
	HR	Abstract for EP76511, April 13, 1983, entitled "Aqueous Copolymer Dispersions and Their Use", 3 pages.				
	HS	Derwent- Abstract for RU 2097122 C1, Dobrovinskii et al., November 27, 1997, 3 pages.				
	HT	Abstract for RU2209213, July 27, 2003, entitled "Production of Butyl Rubber with Separation of Reaction Mixture in a Hydrocyclone and In-Process Recycling", Dobrovinskii et al., 2 pgs.				
mt	HU	Derwent Abstract for SU 1627243 A, Khismatull et al., February 15, 1991.				
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U.S. PATENT DOCUMENTS							
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RH		2006/0100398	05/11/2006	Shaffer et al.			
		2006/084770	4/20/06	Milner et al.			
		2006/0094847	05/04/2006	Milner et al.			
		2006/0100409	05/11/2006	Shaffer, et al.			
		2005/0107536	05/19/2005	Shaffer, et al.			
		2005/0101751	05/12/2005	Shaffer, et al.			
		2006/0079655	04/13/2006	Chung et al.			
RH		2006/0111522	05/26/2006	McDonald Et al			
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RM		713853	05/29/1996	EP			
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RH		Krzysztof Matyjaszewski, Cationic Polymerization (1996)					
		Corno, et al., Cationic Copolymers of Isobutylene. 2. Nuclear Magnetic Resonance Investigation of the Structure of Isobutylene-Isoprene Copolymers Macromolecules, 13, p. 1092-1099 (1980)					
		White, et al., Incorporation of Isoprene in Isobutylene/Isoprene Copolymers: NMR Identification of Branching in Butyl Rubber, Macromolecules, 28 p. 3290-330, (1995)					
RH		Bovey, et al., Chain Structure and Conformation of Macromolecules, Academic Press, NY p. 127 (1982)					
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